

# Converting Colors

Hex(87AA90)

Have a look what the booklet for  
Hex(87AA90) contains.

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# **Color**

**Hex(87AA90)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87AA90
RGB	135, 170, 144
RGB Percent	53%, 67%, 56%
CMY	0.4706, 0.3333, 0.4353
CMYK	0.21, 0.00, 0.15, 0.33
HSL	135°, 17%, 60%
HSV	135°, 21%, 67%
XYZ	29.4004, 35.9140, 31.7681
YIQ	156.5710, -12.5140, -15.5060

# Conversions

## Conversions Part 2

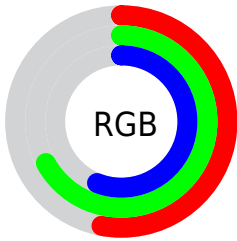
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 163, 170</a>
Decimal	<a href="#">8891024</a>
CIELab	<a href="#">66.45, -17.26, 9.51</a>
CIELCh	<a href="#">66, 19.705, 151.135</a>
Yxy	<a href="#">35.9140, 0.3028, 0.3699</a>
Android (android.graphics.Color)	<a href="#">4287081104 (0xFF87AA90)</a>
YUV	<a href="#">156.5710, -6.1975, -18.9178</a>
Hunter-Lab	<a href="#">59.9283, -17.3034, 10.5200</a>

# Details

The Hex color **87AA90** is a light color, and the websafe version is hex **669999**. A complement of this color would be **AA87A1**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **BDE1C6**, and **55765E** is the 20% darker color. If you saturate the color by 10%, you get **76AA83**, and if you desaturate by 10%, it is **98AA9D**.

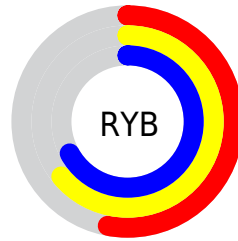
# Distribution



Red (53%)

Green (67%)

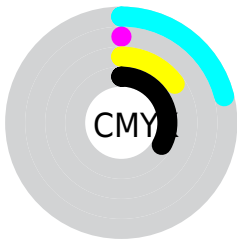
Blue (56%)



Red (53%)

Yellow (64%)

Blue (67%)

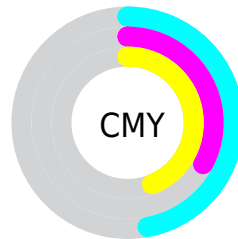


Cyan (21%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87AA90 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 87AA90 by changing the saturation by 10% instead.





87AA90



87AA90

FFFFFF



6D8F76



BDE1C6



55765E



D9FEE2



3D5D46



F5FFFE



264530



102F1B



001B00



000000



87AA90



87AA90



76AA83



98AA9D

■ 65AA77

■ A9AAA9

■ 54AA6A

■ BAAAB6

■ 43AA5D

■ CBAAC3

■ 32AA51

■ DCAACF

■ 21AA44

■ EDAADC

■ 10AA38

■ FEAAE8

■ 00AA2C

■ FFAAF5

■ FFAAFF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9BA683



87AA90



77ACA2

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87AA90



8EA3C5



C69690

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87AA90



AA87A1

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



C495A2



87AA90



A69DC0

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87AA90



79A8C0



B998B3



BE9B83

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87AA90



71ACAE



B998B3



C69696



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87AA90



D1DED4



A1AA87



68706A



F0F0F0



707070



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87AA90



A6DEB5



87AAA1



4C544E



009426



001405



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



AA87A1



DEA6D0



AA8790



544C52



94006E



14000F



# Previews

## White Background



This preview shows how the Hex color 87AA90 looks on a white background.

## Color Contrast Check

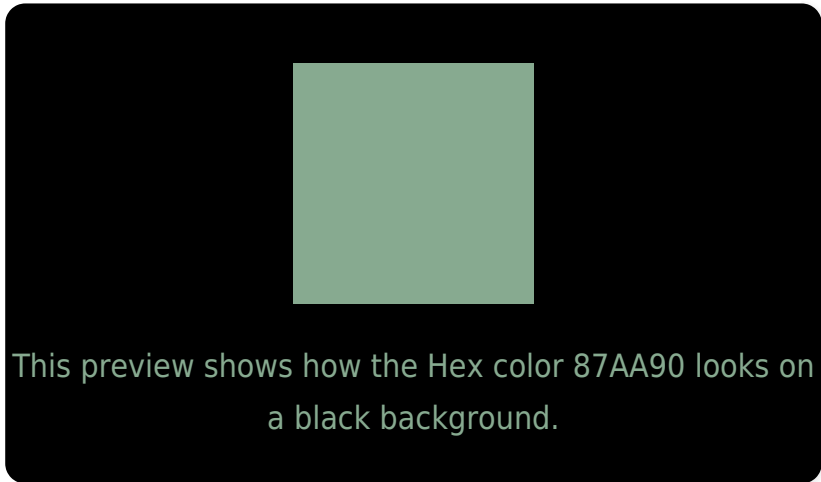
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

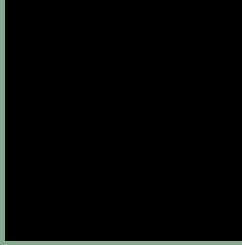
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

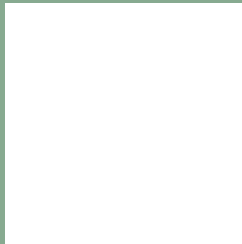
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87AA90 Background



This preview shows how black text looks on a background with the Hex color 87AA90.

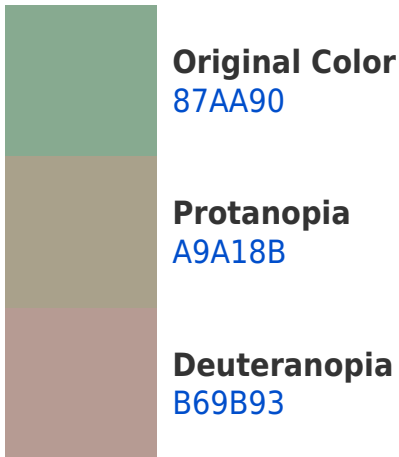


This preview shows how white text looks on a background with the Hex color 87AA90.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

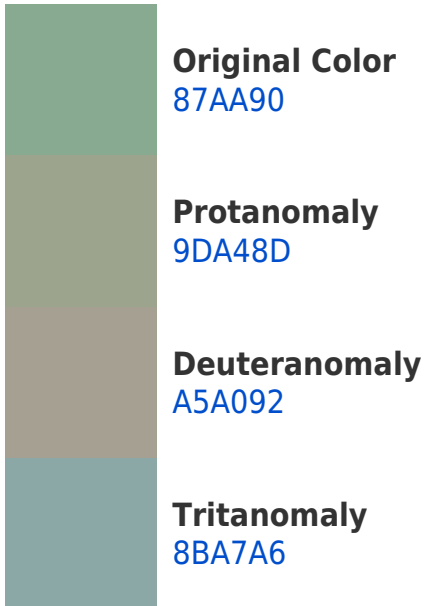
## Dichromacy



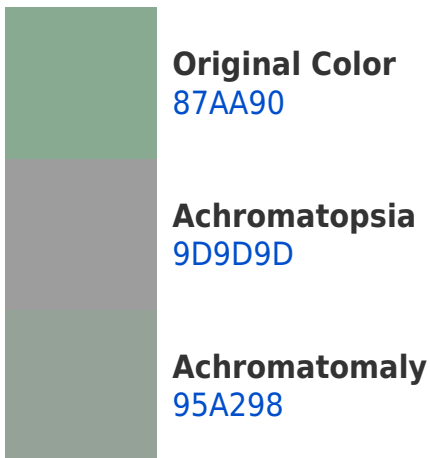


**Tritanopia**  
8DA5B2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87AA90 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #87AA90 looks like.

```
.text, #text, p{  
    color:#87AA90  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #87AA90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87AA90
}
```

## Border

The CSS property to change the border of an element to Hex 87AA90 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87AA90 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#87AA90 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #87AA90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87AA90; -webkit-box-shadow:4px 4px  
4px 4px #87AA90; box-shadow:4px 4px 4px  
4px #87AA90 }
```

# Background

The CSS property to change the background color of an element to Hex 87AA90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87AA90 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#87AA90 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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